

MOULTRIE – COLQUITT COUNTY PARKS AND RECREATION AUTHORITY (BID SPECIFICATIONS)

Sealed bids will be received until 5pm, on October 10, 2022 at the office of Maggie Davidson, located at 1020 Fourth Street SW, Moultrie, Georgia. **No bids will be accepted after the October 10, 2022 deadline. Those received late will be unopened.**

Project Plans are available for pick up, between September 20, 2022 and October 10, 2022 at the Moultrie-Colquitt County Parks and Recreation Authority Office, located at, 1020 Fourth Street SW, Moultrie, GA, during normal operating hours

Attached are the general conditions, standard instructions, bid specification, and bid form. Variation from the given specifications should be noted on the bid form with an explanation of said variation(s) attached. Bids are to be marked with bidder's name and address.

STANDARD INSTRUCTIONS TO BIDDERS

1. The written specifications contained in this bid document will not be changed or superseded except by written addendum from owner or owner's representative. Failure to comply with the written specifications for this bid may result in disqualification.
2. Moultrie-Colquitt County Parks and Recreation Authority (MCCPRA) assumes neither responsibility nor obligation to proposers and is not responsible for any costs associated with submission of the proposal. MCCPRA is not responsible for costs associated with research or documentation required as a part of the proposal, or any costs associated with oral or written presentations required as part of the selection committee's evaluation.
3. Respondents to this RFP agree to waive any claims they have or may have against the MCCPRA, its employees, agents, members, representatives, and legal counsel, arising out of or in connection with the (1) administration, evaluation, recommendation, or selection of any proposal; (2) waiver of any representations under the proposal or documents; (3) approval or rejection of any proposal; and (4) award of a contract.
4. All goods and materials will be F.O.B. Northwest Swim Center - **job site**. No freight, fuel surcharges, or postage charges will be paid unless such charges are included in the bid price.
5. All bids must be sealed, received, and in-hand at bid due date and time. Each bidder assumes the responsibility for having his/her bid received at the designated time and place without consideration, regardless of the postmark.

6. Each bid form submitted must include the name of the business, mailing address, the name, title, and signature of the person submitting the bid.
7. No bids received after said time or at any place other than the time and place stated in the notice will be considered.
8. MCCPRA, in its sole discretion, will select the proposal which best fulfills the requirements and provides the best value. It is the intent of MCCPRA to award the contract to the firm which, based on the selection evaluation, is the most responsive and the most qualified firm for the work performed. The criteria will include, but is not limited to, stability of the firm, relevant project experience and qualifications, and suitability to provide services.
9. The MCCPRA may reject any and all bids. Also, the right is reserved to waive any irregularities or informalities in the bidding procedure. The MCCPRA will be the sole judge as to which bid is best, and in ascertaining this, will take into consideration the business integrity, financial resources, facilities for performing the work, and experience in similar operation of the various bidders. The MCCPRA reserves the right to reject all bids and waive informalities.

IV. Acceptance and Payment: Upon final inspection and approval by the MCCPRA final payment will be processed.

V. Insurance/Bonding:

A. EVIDENCE OF INSURANCE: Prior to execution of the contract, the Contractor shall file, with the MCCPRA, evidence of insurance from the insurer, certifying to the coverage of the insurance required herein. The evidence of insurance shall be certified by a properly authorized officer, agent, general agent, or qualified representative of the insurer, and shall certify the names of the insured, the type and amount of insurance, the location, and operations to which the insurance applies, and the expiration date. The evidence shall include the agreement of the insurer to give, by registered mail, notice to the Owner and at least 30 calendar days prior to the effective date of cancellation, lapse, or material change in the policy.

B. CERTIFICATE OF INSURANCE: This Certificate of Insurance is not an insurance policy and does not amend, extend, or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of the contract with the respect to which this certificate is issued, the insurance afforded by the policies described herein is subject to the terms, exclusions, and conditions of such policies.

- C. **CANCELLATION OF INSURANCE:** If the insurance is canceled, the Contractor shall deliver to the MCCPRA new policies of insurance and the receipts for payment of premiums thereon. Should the Contractor neglect to obtain and maintain in force such insurance and deliver such policy or policies and receipts to the Owner, then it shall be lawful for the Owner to obtain and maintain such insurance. The Contractor hereby appoints the owner his true and lawful attorney, to do the things necessary for this purpose. Money expended by the Owner under the provisions of this paragraph for insurance premiums shall be charged to the Contractor. Failure of the Owner to obtain such insurance shall in no way relieve the Contractor of his responsibilities under this contract.
- D. **PUBLIC LIABILITY:** Successful bidder will be required to furnish a certificate of liability insurance in an amount not less than (\$1,000,000.00) one million dollars per occurrence to protect the library throughout the life of the contract against “all risks”. Coverage to include but not be limited to general liability; comprehensive form, premises/operations, underground explosion and collapse, products/completed operations, contractual, independent contractors, broad form property damage, personal injury, and automobile liability. Worker’s compensation and employer’s liability are to be statutory amounts for the state of Georgia. Certificate must be furnished within (10) ten calendar days of a “notice of award” being issued.
- E. **WORKERS COMPENSATION INSURANCE:** Contractor and the subcontractors shall cover or insure under applicable laws relating to workers compensation or employer’s liability insurance, their employees, working on or about the construction site, regardless of whether such coverage or insurance is mandatory or merely elective under the law. The contractor shall defend, protect, save harmless the Owner from and against claims, suits and actions arising from failure of the Contractor or the subcontractors to maintain such insurance.

The following is the scope of work to replaster and install new waterline tile for the Northwest Moultrie Swim Center in Moultrie, GA.

1. Remove and replace all waterline, depth markers and no diving (at waterline) and any other markings on the pool walls and pool floor
2. Check shell for hollow places, non-bonding plaster and remove all existing plaster to accept new plaster (approximately 2 layers)
3. Sawcut around all fittings and any other pipes or fittings in the pool wall or pool floor to accept new plaster and install hydraulic cement around fittings before plaster
4. Pressure blast to clean entire pool shell per specs
5. Furnish and install bond coat on entire pool shell per specs

6. Install plaster per specs
7. Furnish dumpster and haul-off all trash and debris
8. Furnish a list of chemicals that owner will need to purchase at start-up

SPECIFICATIONS

SWIMMING POOL TILE

PART 1 – GENERAL

1.0 SUMMARY

A. The cementitious pool finish shall have ceramic tile markings and trim at locations included in the pool perimeter tile band, vertical tile band, stair nosings, the zero entry, recessed wall steps, depth markings, wall targets, and all other tile installations as shown and detailed on the contract drawings and in strict accordance with these specifications.

101. QUALITY ASSURANCE

A. Reference Standards: Conform to the following standards unless otherwise required herein.

1. American National Standards Institute (ANSI)

- a. A108.01 – General Requirements: Subsurfaces and Preparations by Other Trades.
- b. A108.02 – General Requirements: Materials, Environmental, and Workmanship.
- c. A108.1, Glazed Wall Tile, Ceramic Mosaic Tile, Quarry Tile and Paver Tile installed
1.01.1 with Portland Cement Mortar.
- d. A108.1C – Contractor’s Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar or Installation of Ceramic Tile on Cured Portland Cement Mortar Bed with Dry Set or Latex-Portland Cement Mortar.
- e. A108.5 – Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar.
- f. A108.6 – Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile
Setting and Grouting Epoxy for the Epoxy Grouting Installation Process.
- g. A108.10 – Installation of Grout in Tile Work.
- h. A137.1 Standard Specifications for Ceramic Tile.

2. American Society for Testing and Materials (ASTM)

- a. C144-99, Aggregate for Masonry Mortar
- b. C150-00, Portland Cement
- c. C171-97a, Sheet Materials for Curing Concrete
- d. C206-97, Finishing Hydrated Lime
- e. C207-91 (R1997), Hydrated Lime for Masonry Purposes
- f. F-1869, Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- g. F-2170, Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In Situ Probes

3. Tile Council of North America (TCNA); 2013 Edition, Handbook for Ceramic Tile Installation.

4. International Standards Organization (ISO)

- a. ISO 13007 – Part 1: 2004 Ceramic Tiles – Grouts and adhesives; specifies the value of performance requirements for all tile adhesives.
- b. ISO 13007 – Part 2: 2005 Ceramic Tiles – Grouts and adhesives; test method for adhesives.
- c. ISO 13007 – Part 3: 2005 Ceramic Tiles – Grouts and adhesives; terms, definitions and specifications for grout.
- e. ISO 13007 – Part 4: 2005 Ceramic Tiles – Test methods for grout.

5. American Concrete Institute

- a. ACI 302 – Guide for Concrete and Floor Slab Construction

6. International Concrete Repair Institute (ICRI)

- a. Concrete Surface Profile (CSP)

B. Tile installers shall have two years experience in similar pool projects which the Owner may require written proof thereof and proper tools to install tile.

1.02 MANUFACTURERS

A. Subject to compliance with requirements provide ceramic tile, mortar and grout of the following manufacturers: American Olean Tile Co. (tile), Dal-Tile Co. (tile), Buchtal (tile), KlinkerSire (tile), Mapei Corp. (thin-set, waterproofing, grout and admixtures), and Laticrete International Inc. (thinset, waterproofing, grout and admixtures) or approved equal.

1.03 PRODUCT DELIVERY AND STORAGE

A. Deliver tile materials to site in unopened factory containers sealed with grade seals bearing printed name or manufacturer and the words "Standard Grade". Keep the grade seals intact and containers dry until tiles are used. Keep cementitious materials dry until used.

1.04 JOB CONDITIONS

A. Inspect and verify job conditions. Report all defects in base surfaces for correction before proceeding.

B. Maintain a temperature range of 40 degrees Fahrenheit to 90 degrees Fahrenheit during installation of tile and grout materials. Tile installation should cure for a minimum 14 days with average and temperature of 70 degrees, while maintaining the minimum 40 degrees and maximum 90 degrees Fahrenheit, prior to filling pool with water.

C. Vent temporary heaters to outside to avoid carbon dioxide damage to the new tile work.

1.05 COLORS

A. Colors to be selected by the Owner. Note that swimming pool regulations may dictate color selections within the pool tank. See 2.01 Tile Materials for price group breakdowns.

1.06 WARRANTIES

A. The CONTRACTOR warrants to the Owner that materials and equipment furnished under the contract will be of good quality and new unless otherwise required or permitted by the contract documents, that the work will be free from defects not inherent in the quality required or permitted and that the work will conform with the requirements of the contract documents. Work not conforming to these requirements including substitutions not properly approved and authorized, may be considered defective. The CONTRACTOR'S warranty excludes remedy for damage or defect caused by abuse, improper or insufficient maintenance, improper operation, modifications not executed by the CONTRACTOR or improper wear and tear under normal usage. If required by the Owner, the CONTRACTOR shall furnish satisfactory evidence as to the kind and quality of materials and equipment. All warranties shall be for a period of five years, unless otherwise specified.

B. All setting materials shall be provided by the same manufacturer. All mixing materials and application procedures shall be done in accordance with manufacturer's recommendations and requirements. Documentation shall be provided to this effect by the contractor with verification from the manufacturer. This documentation shall be included in the operations and maintenance manual under warranties as documentation qualifying the project for a 15 Year Systems Warranty by Laticrete International, Inc., Mapei, Inc. or approved equal.

C. The CONTRACTOR shall agree to repair or replace any work at no cost to the Owner upon written notification from the Owner within the warranty period. Pro-rated warranties are not acceptable.

PART 2 – PRODUCTS

2.01 TILE MATERIALS

A. Standard grade conforming to ANSI A137.1. Tile patterns and colors shall be as indicated and specified, colors of approved shades. Mesh mounted or perforated paper backed tile is not allowed where the mesh of paper remains as a permanent part of the installation. If dot mounting is used, a minimum of 67% of the depth of the tile shall be free from any dots to ensure proper grout curing.

B. All tile shall be ‘frost proof’ and suited for an outdoor pool installation in a freeze/thaw climate.

C. Unglazed Ceramic Mosaic Tile

1. Ceramic tile band at the skimmers shall be selected by Architect from Dal-Tile, Keystone Unglazed Mosaic, 2” x 2” price group 4, American Olean Unglazed color-body porcelain mosaics 2”x2” price group 1-3, or powder glazed 2x2 Buchtal Chroma Mosaics provided by Knoxtile.

D. Message Tile and Depth Markings

1. Horizontal and vertical depth markings and warning signs shall be 6” x 6” with 4” high numbers and letters. All horizontal depth markers shall be slip resistant. Single tile abbreviations shall be used for ‘FT’ and ‘IN’.

2.2 SWIMMING POOL TILE SETTING MATERIALS AND INSTALLATION

A. Surface Preparation

1. Surface preparation shall be in accordance with ACI 302. The surface shall be structurally sound and free of any foreign substances and debris that could reduce or impair adhesion. Sound and remove all loose concrete to firm substrate. Surfaces shall be roughened to a CSP of 3 to 5 (reference ICRI CSP Standards 7 to 9 for acceptable profile height). Thoroughly wash/rinse with clean potable water. Surface defects or holes in the substrate shall be patched per manufacturer’s recommendations.

B. Mortar & Leveling Beds

1. Bonded Thick Bed Method (Floor / Horizontal Surfaces): Provide a dry pack, thick mortar bed on horizontal surfaces consisting of either Laticrete 3701 Fortified Mortar Bed, or Mapei, 4:1 bag mix with Planicrete AC Additive. Apply over a properly prepared slurry bond coat. Maximum lift thickness not to exceed 2”.

2. Render- Scratch and Float Coats (Wall / Vertical Surfaces): Provide wall render (scratch and float coats) on vertical competition turning surfaces to a depth of 4 feet below the water surface, consisting of either Laticrete 3701 Fortified Mortar Bed, or Mapei, 4:1 bag mix with Planicrete AC additive for lift thicknesses up to ½”. Wall render is made to a plastic consistency when used vertically. Fill all holes and bring surface up to line and plane as

required. As manufactured by Laticrete International, Mapei, Inc. or approved equal. Note that slurry bond coats are not required under vertical applications of the render and scratch coat. (Refer to Course Length Tolerances for competitive pools.)

C. Tile Thin-Set

1. Use either Laticrete 254 Platinum one-step, polymer fortified, thin-set mortar or Mapei Ultraflex 3 one-step, polymer modified, thin-set mortar, used in accordance with the manufacturer's requirements. As manufactured by Laticrete International, Mapei, Inc., or approved equal.

D. Tile Grout

1. Use either Laticrete Spectra LOCK Pro Premium Grout or Mapei Kerapoxy CQ Grout in accordance with the manufacturer's requirements as manufactured by Laticrete International, Mapei, Inc. or approved equal.

E. Elastomeric Sealant

1. Use Laticrete Latasil sealant for all inside/outside corners, expansion/movement joints, and to seal lighting/plumbing fixture penetrations. Apply sealant over Latasil 9118 primer. All primer and sealant installation shall be in accordance with the manufacturer's requirements. As manufactured by Laticrete International, Inc., or approved equal.\

F. All mixing and application procedures shall be done in accordance with the manufacturer's recommendations and requirements. The manufacturer's representative shall visit the site to verify field conditions, confirm materials and application requirements and ascertain that all materials and systems are so installed. Documentation shall be provided to this effect.

PART 3 – EXECUTION

3.1 PREPARATION

A. Clean substrates of dust, dirt, oil, grease and deleterious substances and mechanically roughen concrete and shotcrete for bond. Conform to applicable reference standards and to recommendations of manufacturers of materials used and meeting ICRI, CSP of 3-5.

B. Substrates to Receive Mortar Setting Beds

1. Dampen concrete substrate to receive tile work according to above referenced standards or tile manufacturer's instructions, as required.

C. Substrates to receive thin set tile applications shall meet normal construction tolerances of 1/4" in 10' where competition tolerances do not apply, and shall meet competition tolerances where required elsewhere in these specifications, and shall be free of bumps, dips and surface irregularities that may effect the satisfactory installation of the tile.

D. Tile Wetting

1. Dampen tile according to above reference standards or tile manufacturer's instructions, as required.

E. Screeds

1. Accurately set temporary screeds to control the finish plane of mortar-bed set tile and remove as soon as setting bed is sufficiently hardened. Fill void spaces from screeds with same mortar.

3.2 TILE INSTALLATION

A. Arrange tile according to patterns detailed. Set tile with flush well-fitted joints, finished in true planes, plumb, square, joints of uniform size. Provide approved trimmers as shown or required. Cut tile without marring. Carefully grind and joint tile edges and cuts.

B. Follow Tile Council of North America installation methods P601 and B417 to achieve total tile system thickness for thin or thick-set.

1. Thin Set

- a. Apply specified bond coat on cured and dried concrete pool shell. Trowel 3/32" to 1/8" thick bond coat over concrete pool shell just before setting tile or apply bond coat to back of each tile placed. 95% coverage of the back of the tile or tile sheet is required. Set tile in position and beat firmly into the setting bed mortar. Bring tile faces to a true and correct plane. Complete all beating and leveling before mortar sets and in no case later than one hour after first placing. When ready, wet and remove paper and glue avoiding excess water. At this time adjust any out-of-line or out-of-level tile.

C. Finished tile surface shall be level and in plane, with no sharp or protruding edges. Tiles out or plane more than 1/16" shall be removed and replaced. Sharp edges shall be stoned smooth.

D. Grout Joint Sizes

1. Unless otherwise approved, install tile with uniform 3/32 inch joint width. A maximum 1/8" joint width may be utilized to meet specific installation requirements, if required.

E. Ceramic Tile Joint Grouting

1. Mix grout to a thick creamy consistency and force into joints for entire thick depth, flush with surface. Clean off all excess and fill skips and gaps before grout sets. Color selection by Architect or Interior Designer. Provide dampness for minimum 3-day curing and polish with clean dry cloths (not required when epoxy grouts are used).

F. Expansion Joints

1. Place expansion joint per applicable TCNA Method P601MB, P601TB, or P602 and conforming to Method EJ171. Provide shop drawings showing backer rod and joint dimensions. All expansion, control, construction, cold, and seismic joints in the pool structure should continue through the tile work, including such joints at vertical surfaces. Movement joints shall be placed at all changes in direction and elevation. Refer to the structural engineer for additional required movement joints. Joint size shall be a minimum of 1/8". Joints through tile work directly over structural joints shall not be narrower than the structural joint. The Contractor shall use cement compatible coatings when using chalk lines for joint layout purposes.

G. Fill and Empty Rates

1. Use a fill and drain rate of 2 feet per 24 hours to minimize thermal shock and structural movement. Maintain a temperature differential of 10 degrees Fahrenheit or less between the pool water and the substrate during fill and drain cycles.

3.3 TESTING AND INSPECTION

A. Before filling of the pool, and its subsequent provisional acceptance at substantial completion, the tile installation shall be visually inspected and sounded in the presence of the Architects and/or the Owner's representative to verify adhesion of the tile to its substrate as well as its overall compliance with the requirements of this Section.

B. Any and all tile work found to be loose, improperly adhered, out of plane, misaligned or otherwise non-conforming shall be removed and replaced at no additional cost to the Owner.

3.4 CLEANING

A. Upon completion of placement and grouting, clean tile installation as recommended by TCNA and manufacturers of proprietary materials. Tile shall be cleaned with pH neutral solutions, free of both sodium and potassium, in accordance with the tile and grout manufacturer's printed instruction.

B. Leave finished installation clean and free of cracked, chipped, broken, un-bonded or otherwise defective tile work.

C. Protect installed tile work with non-staining Kraft paper, polyethylene sheeting, or other approved heavy covering during the construction period to prevent damage.

3.5 REPLACEMENT TILE

A. Provide Owner with approximately 10% or 25 square feet (whichever is least) of each color and type tile used on the project for Owner's repair and replacement requirements.

END OF SWIMMING POOL TILE SECTION

SWIMMING POOL CEMENTITIOUS FINISH

PART 1 - GENERAL

1.00 SUMMARY

- A. All preparation of swimming pool structures and labor and materials required to provide swimming pool replaster for Lap Pool and Kiddie Pool on the Northwest Moultrie Swim Center in Moultrie, GA.

1.01 SUBMITTALS

- 1. Prepare a square sample showing color and texture for pool plaster. Finished cementitious finish work must match the approved sample.

1.02 JOB CONDITIONS

- A. Apply plaster in swimming pool only when ambient temperature is above 40 degrees F and below 90 degrees F and protect applied plaster from rapid drying by sun or wind until curing is completed or pool is filled with water. Confirm and comply with applicable manufacturer's installation requirements.

1.03 QUALITY ASSURANCE

- A. Plaster installers must have two years' experience in similar pool projects.

PART 2 - PRODUCTS

2.01 QUALITY POOL GROUP QUARTZ

- A. The CONTRACTOR must provide a slip-resistant proprietary plaster finish in the areas indicated on the drawings. Description: QPG Quartz finish. Color to be KONA COAST. Confirm installation requirements with the manufacturer.
- B. Surface Preparation
 - 1. Surface must be structurally sound and free of foreign substances and debris that could reduce or impair adhesion, free of dirt, oil, grease, curing compounds or other foreign materials. Sound and remove loose concrete to firm substrate. Surfaces must be roughened by sand blasting or water blasting. Shot blasting, scarifying, or grinding can also be accepted methods of surface preparation. Pressure-wash the entire surface. Wash with trisodium phosphate (TSP) using a stiff broom. Thoroughly wash/rinse with clean potable water. Surface defects or holes in the substrate must be patched per manufacturer's recommendations. Lightly moisten walls and floors prior to application of QPG Quartz.
- C. Bond Coat

1. Bond Kote by SGM, Inc., or approved equal, in strict accordance with manufacturer's instructions. Apply and cure bond coat per manufacturer's recommendations. After proper curing of bond coat, lightly moisten with clean potable water prior to application of cementitious finish. Ensure bond coat is free of foreign matter prior to plastering.
- D. Mixing
1. Thoroughly mix QPG Quartz to a homogeneous lump-free consistency using 1-1/2 to 2 gallons of potable water per 80 lb. bag.
- E. Application
1. QPG Quartz must be applied to a uniform thickness of 3/8" to 1/2" over the entire surface. The walls must be scratch coated followed by a finish coat. Material applied to the floor after the walls have been applied must be accelerated to assure uniform setting time throughout the pool surface.
- F. Coverage
1. Each 80 lb. bag to cover approximately 25 square feet to a thickness of 3/8".
- G. Proprietary plaster finish must be applied by a licensed applicator as approved by the manufacturer.

PART 3 - EXECUTION

3.01 PREPARATION OF SURFACES AND BOND COAT

- A. Surface must be structurally sound and free of foreign substances and debris that could reduce or impair adhesion, free of dirt, oil, grease, curing compounds or other foreign materials. Sound and remove loose concrete to firm substrate. Surfaces must be roughened by sand blasting or water blasting. Shot blasting, scarifying, or grinding can also be accepted methods of surface preparation. Pressure-wash the entire surface. Wash with trisodium phosphate (TSP) using a stiff broom. Thoroughly wash/rinse with clean potable water. Surface defects or holes in the substrate must be patched per manufacturer's recommendations.
1. National Plasterers Council Surface Preparation Definitions
 - a. Pressure Washing: The washing or cleaning of a surface by a stream of water ejected from a nozzle at high velocity, typically in the range of 1,000 psi – 4,000 psi.
 - b. Water Blasting: The cutting, abrading, or removal of a surface or substrate by a stream of water ejected from a nozzle at ultra-high velocity, typically in the range of 10,000 psi – 40,000 psi.
 2. Apply and cure bond coat in strict accordance with manufacturer's instructions. After proper curing of bond coat, lightly moisten with clean potable water prior to application of cementitious finish. Ensure bond coat is free of foreign matter prior to plastering.

- B. Do not apply finish materials to base surfaces containing frost. Provide temporary coverings as required to protect adjoining surfaces from staining or damage by plastering operations.
- C. Protect or mask adjacent surfaces that are not scheduled to receive cementitious finish. If expansion or construction joints exist in the areas where cementitious finish will be applied cover plastic joints for protection (if plastic joints are used). Additionally, mark joints for saw-cutting if area will be saw-cut.
- D. Verify that concrete surfaces that are to receive a cementitious finish have cured for a minimum of 5 days. Consideration should be given for the application of a primer for concrete structures that is over 28 days old to improve bonding.

3.02 APPLICATION OF CEMENTITIOUS FINISH

A. General

1. Confirm application requirements with the manufacturer. Apply finish plaster to the properly prepared substrate at the minimum thickness required by the manufacturer, but no less than 3/8-inch thickness. Apply finish plaster by hand or machine. If plastering machine is used, control fluidity of plaster to have a slump not exceeding 2-1/2 inches when tested using a 2" by 4" by 6" high slump cone. Do not add additional water to the mix subsequent to determining water content to meet this slump. Perform slump test according to following procedure:
 - a. Place cone on level, dry non-absorptive base plate.
 - b. While holding cone firmly against base plate, fill cone with plaster taken directly from hose or nozzle of plastering machine, tamping with a metal rod during filling to release air bubbles.
 - c. Screed off plaster level with top of cone. Remove cone by lifting it straight up with a slow and smooth motion.
 - d. Place cone in a vertical position adjacent to freed plaster sample suing care not to jiggle base plate.
 - e. Lay straightedge across top of cone being careful not to vibrate cone, measure slump in inches from bottom edge of straightedge to the top of slumped plaster sample.
2. Mixing of materials and application procedures must be done in accordance with the manufacturer's recommendations and requirements. The manufacturer's representative must visit the site to verify field conditions, confirm materials and application requirements and ascertain that materials and systems are so installed. Documentation must be provided to this effect.

B. Workmanship

1. Unless otherwise required by the manufacturer, apply finish plaster in two coats by "double-back" method with second coat applied as soon as first coat is tamped and initially floated. Apply plaster with sufficient pressure to provide a good bond on bases. Work plaster to screeds at intervals of from 5 feet to 8 feet on straight

surfaces. Apply smooth trowel finish without waves, cracks, trowel marks, ridges, pits, crazing, discoloration, projections, or other imperfections. Form plaster carefully around curves and angles, well up to screeds. Take special care to prevent sagging and consequent drooping of applications. Produce surfaces free of visible junction marks in finish coat where one day's work adjoins another. Finish proprietary plaster as required by the manufacturer.

2. Cementitious finishes must be applied by a licensed applicator as approved by the manufacturer.

C. Curing

1. Curing cementitious finishes with fine fog water spray applied to finish coat as frequently as required to prevent dry-out of surface, or as directed by the manufacturer of the cementitious finish. Keep plaster damp until pool is filled. Prevent damage or staining of plaster by troweling or curing.

D. Patching, Pointing, and Cleaning Up

1. Upon completion, cut out and patch loose, cracked, damaged, or defective plaster; patches matching existing plaster in texture, color, and finish, flush with adjoining plaster. Perform pointing and patching of surfaces and plasterwork abutting or adjoining other finish work in a neat and workmanlike manner. If 10 percent or more of the pools plaster finish is found to be defective, the plaster must be removed and replaced complete from surfaces. Remove plaster droppings or spattering from surfaces. Leave plaster surfaces in clean, unblemished condition ready for pool filling. Remove protective coverings from adjoining surfaces. Remove rubbish and debris from the site.

END OF SWIMMING POOL CEMENTITIOUS FINISH SECTION

MOULTRIE – COLQUITT COUNTY PARKS AND RECREATION AUTHORITY (BID SPECIFICATIONS)

BASE BID

\$ _____

Earliest Start Date: _____

Estimated Completion Time: _____

It is agreed by the undersigned bidder that the signature and submission of this bid represent the bidder's acceptance of all terms, conditions, and requirements of bid specifications and, if awarded, the bid will represent the agreement between the parties.

Company Name:

Address:

Telephone Number: _____ E-Mail:

Name: _____ Title:

Signed (sign manually, in ink):

Date:
